STIC Search Report
Biotech-Chem Library

Scientific & Technical Information Center
USPTO

STIC Database Tracking Number: 154041

TO: Lansana Nyalley
Location: rem/5b21/5c18
Art Unit: 1621
Friday, May 27, 2005

Case Serial Number: 10/719175

From: Barb O'Bryen
Location: Biotech-Chem Library
Remsen 1a69
Phone: 571-272-2518

barbara.obryen@uspto.gov

Search Notes

sira
Search and Information Resources Administration

```
=> d que stat l61; d que stat l63
L50             STR

O═C═N           O═C═N
1  2  3         4  5  6

NODE ATTRIBUTES:
CONNECT IS E2  RC AT   2
CONNECT IS M2  RC AT   3
CONNECT IS E2  RC AT   5
CONNECT IS M2  RC AT   6
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   6

STEREO ATTRIBUTES: NONE
L61       78835 SEA FILE=REGISTRY SSS FUL L50

100.0% PROCESSED  81277 ITERATIONS                      78835 ANSWERS
SEARCH TIME: 00.00.01



L52             STR

    4
   G1            Cb@5     Ak@6
    |
Cb—P—G1
1  2  3

VAR G1=5/6
NODE ATTRIBUTES:
CONNECT IS E3  RC AT   2
CONNECT IS E1  RC AT   6
DEFAULT MLEVEL IS ATOM
GGCAT   IS SAT  AT   1
GGCAT   IS SAT  AT   5
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   6

STEREO ATTRIBUTES: NONE
L54     1120038 SEA FILE=REGISTRY ABB=ON  P/ELS AND RSD/FA
L56       15190 SEA FILE=REGISTRY ABB=ON  C H P/ELF AND 3/ELC.SUB
L57      114810 SEA FILE=REGISTRY ABB=ON  C H O P/ELF AND 4/ELC.SUB
L58       99690 SEA FILE=REGISTRY ABB=ON  (L56 OR L57) AND L54
L63         146 SEA FILE=REGISTRY SUB=L58 SSS FUL L52

100.0% PROCESSED  99688 ITERATIONS                       146 ANSWERS
SEARCH TIME: 00.00.01
```

```
=> => d que stat l49
L47             STR

                 PRO              PRO

                 O═C═N            O═C═N
RRT              4   5   6        12  13  14

Cb─ P
1   2


NODE ATTRIBUTES:
CONNECT IS E3  RC AT   2
CONNECT IS E2  RC AT   5
CONNECT IS M2  RC AT   6
CONNECT IS E2  RC AT  13
CONNECT IS M2  RC AT  14
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   8

STEREO ATTRIBUTES: NONE
L49           7 SEA FILE=CASREACT SSS FUL L47 (    34 REACTIONS)

100.0% DONE   1333 VERIFIED      34 HIT RXNS                    7 DOCS
SEARCH TIME: 00.00.01


=> d his full

     (FILE 'HOME' ENTERED AT 12:05:00 ON 27 MAY 2005)

     FILE 'CAPLUS' ENTERED AT 12:05:17 ON 27 MAY 2005
               SET LINE 250
               SET DETAIL OFF
               E US2003-719175/AP,PRN 25
               SET NOTICE 1000 SEARCH
L1             1 SEA ABB=ON  US2003-719175/AP
               SET NOTICE LOGIN SEARCH
               SET LINE LOGIN
               SET DETAIL LOGIN
               D SCAN
               SEL RN

     FILE 'REGISTRY' ENTERED AT 12:06:16 ON 27 MAY 2005
L2             5 SEA ABB=ON  (691413-65-7/BI OR 75-13-8/BI OR 7650-88-6/BI OR
               822-06-0/BI OR 84100-17-4/BI)
               D SCAN

     FILE 'LREGISTRY' ENTERED AT 12:08:09 ON 27 MAY 2005
               E UREDIONE

     FILE 'REGISTRY' ENTERED AT 12:08:18 ON 27 MAY 2005
               E UREDIONE

     FILE 'STNGUIDE' ENTERED AT 12:08:23 ON 27 MAY 2005
```

```
     FILE 'LREGISTRY' ENTERED AT 12:09:41 ON 27 MAY 2005
                E URETDIONE

     FILE 'REGISTRY' ENTERED AT 12:09:51 ON 27 MAY 2005
                E URETDIONE
L3             2 SEA ABB=ON  URETEDIONE/BI
                D SCAN

     FILE 'STNGUIDE' ENTERED AT 12:10:46 ON 27 MAY 2005

     FILE 'CAPLUS' ENTERED AT 12:12:25 ON 27 MAY 2005
                D SCAN L1

     FILE 'CASREACT' ENTERED AT 12:13:28 ON 27 MAY 2005
L4            18 SEA ABB=ON  RICHTER F?/AU
                D SCAN TI

     FILE 'CAPLUS' ENTERED AT 12:14:23 ON 27 MAY 2005
                D SCAN L1
                E PHOSPHINES+ALL/CT
L5           796 SEA ABB=ON  PHOSPHINES/CT(L)CAT/RL
                D SCAN L1
L6        148262 SEA ABB=ON  ?ISOCYAN?/BI
                E URETDIONE
                E URETDIONE?/BI
L7           223 SEA ABB=ON  URETDIONE?/BI
L8             2 SEA ABB=ON  L5 AND L6 AND L7
                D SCAN TI
L9             1 SEA ABB=ON  L8 NOT L1
                D SCAN
                SEL RN

     FILE 'REGISTRY' ENTERED AT 12:17:22 ON 27 MAY 2005
L10           13 SEA ABB=ON  (111-20-6/BI OR 112-85-6/BI OR 124-04-9/BI OR
                143-07-7/BI OR 2283-11-6/BI OR 28182-81-2/BI OR 334-48-5/BI OR
                505-52-2/BI OR 53880-05-0/BI OR 544-63-8/BI OR 57-10-3/BI OR
                57-11-4/BI OR 693-23-2/BI)
                D SCAN

     FILE 'CAPLUS' ENTERED AT 12:18:43 ON 27 MAY 2005
L11        27698 SEA ABB=ON  L6(L)PREP/RL
L12           14 SEA ABB=ON  L5 AND L11
L13           86 SEA ABB=ON  L7(L)PREP/RL
L14            3 SEA ABB=ON  L13 AND L5
                D SCAN TI
L15           12 SEA ABB=ON  L12 NOT L14

     FILE 'REGISTRY' ENTERED AT 12:20:11 ON 27 MAY 2005
L16               STR
L17           50 SEA SSS SAM L16
L18               STR L16
L19           50 SEA SSS SAM L18
L20               STR L18
L21           50 SEA SSS SAM L20
L22               STR L20
L23           28 SEA SSS SAM L22
L24               STR L16
L25           50 SEA SSS SAM L24

     FILE 'CASREACT' ENTERED AT 12:24:16 ON 27 MAY 2005
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```
L26             STR L16
L27          50 SEA SSS SAM L26 (  1145 REACTIONS)
L28             STR L26
L29           6 SEA SSS SAM L28 (    20 REACTIONS)
                D SCAN

     FILE 'REGISTRY' ENTERED AT 12:27:26 ON 27 MAY 2005

     FILE 'CASREACT' ENTERED AT 12:28:04 ON 27 MAY 2005
L30             STR L28
L31           6 SEA SSS SAM L30 (    20 REACTIONS)
L32             STR L30
L33           0 SEA SSS SAM L32 (     0 REACTIONS)
L34             STR L32
L35           4 SEA SSS SAM L34 (    20 REACTIONS)
                D SCAN

     FILE 'LREGISTRY' ENTERED AT 12:30:25 ON 27 MAY 2005
L36             STR
L37          28 SEA SSS SAM L36
L38           1 SEA ABB=ON  BENZENE, 1,4-DIISOCYANATO-/CN
                D RN
L39             STR 104-49-4

     FILE 'CASREACT' ENTERED AT 12:31:42 ON 27 MAY 2005
                D QUE L34
L40             STR L34
L41          16 SEA SSS SAM L40 (    61 REACTIONS)
                D QUE L32
L42             STR L32
L43             STR L42
L44           0 SEA SSS SAM L43 (     0 REACTIONS)

     FILE 'STNGUIDE' ENTERED AT 12:35:32 ON 27 MAY 2005

     FILE 'CASREACT' ENTERED AT 12:42:00 ON 27 MAY 2005
                D QUE L43
L45           0 SEA SSS SAM L43 (     0 REACTIONS)
L46           0 SEA SSS FUL L43 (     0 REACTIONS)
                SAVE TEMP L46 NYA175CASRE1/A
L47             STR L43
L48           2 SEA SSS SAM L47 (     3 REACTIONS)
                D SCAN
L49           7 SEA SSS FUL L47 (    34 REACTIONS)
                SAVE TEMP L49 NYA175CASRE2/A

     FILE 'CASREACT' ENTERED AT 12:44:19 ON 27 MAY 2005
                D STAT QUE L46

     FILE 'CASREACT' ENTERED AT 12:44:33 ON 27 MAY 2005
                D STAT QUE L49
                D IALL 1-7
                D IBIB ABS HIT 1-7

     FILE 'CASREACT' ENTERED AT 12:47:04 ON 27 MAY 2005
                D IBIB ABS HIT 1-7

     FILE 'REGISTRY' ENTERED AT 12:48:16 ON 27 MAY 2005
L50             STR
L51          50 SEA SSS SAM L50
```

```
L52             STR
L53           0 SEA SSS SAM L52
                E P/ELS
L54     1120038 SEA ABB=ON  P/ELS AND RSD/FA
L55           0 SEA SUB=L54 SSS SAM L52
L56       15190 SEA ABB=ON  C H P/ELF AND 3/ELC.SUB
L57      114810 SEA ABB=ON  C H O P/ELF AND 4/ELC.SUB
L58       99690 SEA ABB=ON  (L56 OR L57) AND L54
L59           2 SEA SUB=L58 SSS SAM L52
                D SCAN
L60          50 SEA SSS SAM L50
                D QUE
L61       78835 SEA SSS FUL L50
                SAVE TEMP L61 NYA175FULL1/A
                D QUE L59
L62           2 SEA SUB=L58 SSS SAM L52
L63         146 SEA SUB=L58 SSS FUL L52
                SAVE TEMP L63 NYA175FUL2/A

     FILE 'CAPLUS' ENTERED AT 12:57:25 ON 27 MAY 2005
L64       73100 SEA ABB=ON  L61
L65        1751 SEA ABB=ON  L63
L66          13 SEA ABB=ON  L65 AND L64
L67           1 SEA ABB=ON  L8 AND L66
                D SCAN TI
L68           1 SEA ABB=ON  L67 AND L1

     FILE 'CAPLUS' ENTERED AT 12:59:35 ON 27 MAY 2005
                D QUE L8
                D IBIB ED ABS HITIND L8 1-2

     FILE 'REGISTRY' ENTERED AT 13:00:01 ON 27 MAY 2005
                D STAT QUE L61
                D STAT QUE L63

     FILE 'CAPLUS' ENTERED AT 13:00:18 ON 27 MAY 2005
                D QUE NOS L66
                D IBIB ED ABS HITSTR L66 1-13

     FILE 'USPATFULL' ENTERED AT 13:00:57 ON 27 MAY 2005
L69          215 SEA ABB=ON  L63

     FILE 'HOME' ENTERED AT 13:01:07 ON 27 MAY 2005
                D QUE STAT L61
                D QUE STAT L63

     FILE 'STNGUIDE' ENTERED AT 13:01:41 ON 27 MAY 2005
                D QUE STAT L49


     FILE HOME

     FILE CAPLUS

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     for records published or updated in Chemical Abstracts after December
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FILE COVERS 1907 - 27 May 2005 VOL 142 ISS 23
FILE LAST UPDATED: 26 May 2005 (20050526/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE REGISTRY
Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 26 MAY 2005 HIGHEST RN 851232-97-8
DICTIONARY FILE UPDATES: 26 MAY 2005 HIGHEST RN 851232-97-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

****
* *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
* *
****

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

FILE LREGISTRY
LREGISTRY IS A STATIC LEARNING FILE

NEW CAS INFORMATION USE POLICIES, ENTER HELP USAGETERMS FOR DETAILS.

FILE STNGUIDE
FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: May 20, 2005 (20050520/UP).

FILE CASREACT

FILE CONTENT:1840 - 22 May 2005 VOL 142 ISS 21

New CAS Information Use Policies, enter HELP USAGETERMS for details.

```
**********************************************************
*                                                        *
*     CASREACT now has more than 9.2 million reactions   *
*                                                        *
**********************************************************
```

Some CASREACT records are derived from the ZIC/VINITI database (1974-1991) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE USPATFULL
FILE COVERS 1971 TO PATENT PUBLICATION DATE: 26 May 2005 (20050526/PD)
FILE LAST UPDATED: 26 May 2005 (20050526/ED)
HIGHEST GRANTED PATENT NUMBER: US6898801
HIGHEST APPLICATION PUBLICATION NUMBER: US2005114973
CA INDEXING IS CURRENT THROUGH 26 May 2005 (20050526/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 26 May 2005 (20050526/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2005
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2005

>>> USPAT2 is now available. USPATFULL contains full text of the <<<
>>> original, i.e., the earliest published granted patents or <<<
>>> applications. USPAT2 contains full text of the latest US <<<
>>> publications, starting in 2001, for the inventions covered in <<<
>>> USPATFULL. A USPATFULL record contains not only the original <<<
>>> published document but also a list of any subsequent <<<
>>> publications. The publication number, patent kind code, and <<<
>>> publication date for all the US publications for an invention <<<
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<
>>> records and may be searched in standard search fields, e.g., /PN, <<<
>>> /PK, etc. <<<

>>> USPATFULL and USPAT2 can be accessed and searched together <<<
>>> through the new cluster USPATALL. Type FILE USPATALL to <<<
>>> enter this cluster. <<<
>>> <<<
>>> Use USPATALL when searching terms such as patent assignees, <<<
>>> classifications, or claims, that may potentially change from <<<
>>> the earliest to the latest publication. <<<

This file contains CAS Registry Numbers for easy and accurate substance identification.

=>

STIC SEARCH RESULTS FEEDBACK FORM

Biotech-Chem Library

Questions about the scope or the results of the search? Contact ***the searcher or contact:***

Mary Hale, Information Branch Supervisor
Remsen Bldg. 01 D86
571-272-2507

Voluntary Results Feedback Form

- *I am an examiner in Workgroup:* ☐ *Example: 1610*
- *Relevant prior art **found**, search results used as follows:*
  - ☐ 102 rejection
  - ☐ 103 rejection
  - ☐ Cited as being of interest.
  - ☐ Helped examiner better understand the invention.
  - ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
  (journal articles, conference proceedings, new product announcements etc.)

- *Relevant prior art **not found:***
  - ☐ Results verified the lack of relevant prior art (helped determine patentability).
  - ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC-Biotech-Chem Library Remsen Bldg.